EAGLE IMAGER® 160 & EAGLE X™

THERMAL IMAGING CAMERAS – THE NEXT GENERATION

SCOTT® HEALTH & SAFETY

SEE WHAT YOU'VE BEEN

FIRE GROUND PROVEN THERMAL IMAGING

Scott Eagle Imager®
Thermal Imaging Cameras

Thermal imaging cameras have proven to be among the most effective tools available for fire combat. From search and rescue to overhaul operations, thermal imaging technology gives firefighters the advantage of seeing and better understanding the conditions around them when smoke and darkness would otherwise limit that ability.

For more than 10 years, firefighters around the world – as well as other first responders and industrial workers – have looked to Scott to provide thermal imaging cameras that satisfy their needs for robust. Today, Scott offers two robust thermal imaging cameras, specially designed to meet first responder needs, the Eagle Imager 160 and Eagle X.

Dependable Microbolometer Technology

The heart of Scott thermal imaging cameras is an advanced vanadium oxide (Vox) microbolometer engine, capable of producing vivid imagery under a variety of conditions.

- 1,100˚ dynamic range generates highly detailed images that enable quick and easy scene interpretation. Unlike other technologies, the Vox microbolometer employed in the Eagle Imager 160 and Eagle X won't white out or show ghosted images or other distracting image artifacts.
- Wide dynamic range permits the user to see a firefighter standing next to or behind flame, an example of performance that cannot be matched by many other infrared imaging technologies.
- The Vox microbolometer engine features a fast 60 Hz update rate for smooth, seamless images without the choppiness so apparent in cameras with slower update rates.
- The engines in both the Eagle Imager 160 and Eagle X feature a 160 X 120 focal plane array capable of producing images equal to or superior to most costly cameras with larger focal plane arrays.

MISSING

Practical Options

On-screen temperature readout is available in either a bar graph or digital format in either Fahrenheit or Centigrade scale to assist in identifying hot spots and aid in situational awareness.

Truck Charging Systems (TCS)

Truck Charging Systems (TCS) are available to securely hold and recharge the cameras. The TCS can be mounted either vertically or horizontally in a vehicle or on a wall.

Fire Ground Rugged

Our industry leading cameras are constructed of a special material that provide a tough, fire-resistant housing capable of surviving repeated exposures to high heat environments, plus the wear and tear that go hand-in-hand with firefighting.

Reliability and Dependability

Recognized as a world leader in our field since 1945, Scott has a proud tradition of providing rugged, dependable products and accessories to fire, industrial, domestic preparedness, law enforcement and military service professionals.

Today, Scott continues that tradition with the most technologically advanced, affordable thermal imaging cameras backed by an industry leading warranty and technical support.

EAGLE X

Among the lightest weight, most economical handheld thermal imaging cameras available on the market. Features "look through" LCD-to-optics designs with a large viewing area to provide maximum image detail.

EAGLE IMAGER 160

Eagle Imager 160 Incorporates advanced design concepts, while maintaining reliability and durability. This feature-rich camera achieves maximum ergonomic qualities while maintaining firefighter-ready durability.

THE EAGLE X™ DIFFERENCE

GET A GRIP ON EASY, RELIABLE, COST-EFFECTIVE THERMAL IMAGING

Thermal imaging technology is used in firefighting, security and industrial applications where it has repeatedly proven to be an invaluable resource. Now, Scott has taken the next step in advancing this highly effective technology. Crafted into a unique, compact, durable, lightweight, hand-held unit, Scott's "next generation" Eagle X makes thermal imaging highly affordable and user-friendly.

Inspired by end-user safety professionals, Eagle X incorporates all the must-have features in an imaging camera without added frills and costly options. The Eagle X utilizes the same advanced imaging technology featured in the legendary Eagle Imager 160, and contains it in a sleek, rugged polymer housing designed for easy use – even with gloved hands.

The distinctive Eagle X weighs just 2.6 pounds and features a wide angle, large format screen. The adjustable 3.5 inch LCD screen displays finely detailed images for fast, accurate interpretation. With an exclusive, power saving "Image-on-Demand" feature which preserves battery life, the Eagle X puts the power of instant thermal imaging comfortably in the hand of the user.

"Through-the-lens" viewing allows the Eagle X to be typically used in a "looking glass" fashion by holding the camera up to the user's face at eye level. This is particularly useful in dense smoke environments. The camera can also be held in an inverted position to look beneath objects near the ground or in a side arm fashion to look around corners. The lightweight, compact size and ergonomic design make it ideal for use in confined spaces. For firefighters, police and security personnel, and for industrial users requiring heat source identification, the Eagle X brings safety into sharp focus.

Large 3.5 inch LCD with on-screen surface temperature readout accurately assesses thermal conditions.
Detector offers 160 x 120 focal plane array, a 60 Hz. update rate and an 1,100 degree dynamic range.
Exclusive Image-on-Demand with trigger finger activation preserves valuable battery life.
Innovative vanadium oxide (VOX) "Firecooled™" microbolometer core.
Available in high visibility yellow or stealth black.
Ergonomic, streamlined design for ease of use.

Proven Imaging Technology

The Eagle X employs revolutionary vanadium oxide microbolometer, the same engine that is offered in Scott's field-proven Eagle Imager 160. The detector has a 160 x 120 focal plane array, a 60 Hz. update rate and a 1,100 degree dynamic range. These features enable the camera to generate clear, sharply detailed images in both neutral and high temperature environments.

To optimize clear and accurate imaging, the 1,100 degree dynamic range is divided into two levels. The lower range goes up to 200°F. In this range, the sensitivity of the detector is maximized. That means that a crisp, clear image is produced even in low temperature settings. In viewing environments of 250°F or more, the Eagle X's detector automatically reduces sensitivity to thermal energy in much the same way as the human eye reacts to bright light. The result is well defined imaging at high temperatures. The camera's LCD will display an "EI" (Electronic Integration) legend when sensing temperatures in the higher dynamic range.

At only 2.6 lbs., a lightweight and compact tool.

The large format viewing screen displays detailed images for fast, accurate interpretation. The field of view is 54 degrees horizontal and 44 degrees vertical, which means that wide range of thermal information can be captured more easily.

Another valuable asset of the Eagle X is its optional digital radiometry capability. This feature provides a greater degree of situational awareness by displaying an on-screen readout of relative surface temperatures. This can be critically important in assessing rapidly changing thermal conditions.

Rugged polymer construction for dependable service.

2 hr. rechargeable Ni-MH battery or optional AA speed loader.

CHARGE IT

Recharging the Ni-MH battery pack is achieved by inserting it into the Scott Eagle X desktop charging cradle. An optional truck charging system (TCS), which securely holds the entire camera assembly and recharges the Ni-MH battery pack while it is still in the camera's handle, is also available. Both recharging units will fully charge the Ni-MH battery pack in about 2 hours.

The TCS can be mounted vertically or horizontally on a flat surface in a vehicle or on a wall. The mounted assembly has been tested to ensure it is capable of securely retaining a mounted camera when sustaining impacts with forces up to 9-G's (NFPA 1901).

EAGLE

VISIBLY CHANGING TH

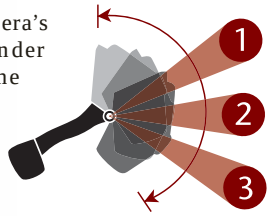
THE EAGLE IMAGER 160®, THE DIFFERENCE

Crawling, Standing, Hands-Free...the Versatile Eagle Imager 160

Many firefighters consider the Eagle Imager 160, which weighs just 4.2 lbs. (1.9 kg), the most ergonomically acceptable camera available because its user-selectable handle positioning permits easy use in virtually any conditions.

Constructed with special heat and impact resistant polymer, the Eagle Imager 160 housing is tough enough for the most rugged firefighting duties.

In crawling positions, the 90º angle between the camera's optics and viewing screen allow firefighters to stay under high heat while being able to continuously observe the scene as they advance.



In a standing position, the camera handle may be positioned to allow for ease of use in overhaul situations or when checking light ballasts.

With the use of a neck/shoulder strap, the camera permits virtually hands-free use, and because of its unit design, it may be safely positioned on a flat surface for viewing a scene from a distance.

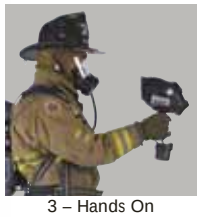
1 – Crawling

Handoff from one firefighter to another is simple and quick by grasping one of the two handstraps, the camera's skeletonized handle, or it's battery compartment.

2 – Hands Free

Easy to View

The Eagle Imager 160 features a 4-inch (10.16 cm) wide diagonal LCD viewing screen for optimal viewing. Unlike smaller screen cameras, the Eagle Imager 160 captures maximum scene detail, so the user is able to quickly and easily understand the image he or she is observing.


3 – Hands On

Twist change battery

E FIRE SERVICE

IS IN THE DETAIL

2-Button Control

Engineered for maximum simplicity, the Eagle Imager 160 is operated by using just two buttons conveniently located between the handle and screen, and capable of being easily manipulated by a user wearing gloves. On-screen text icons indicate camera modes and battery life.

Temperature Readout

The Eagle Imager 160 is available with an on-screen temperature readout in either Fahrenheit or Centigrade to assist firefighters in identifying hot spots and fire extension. The camera's easy-to-read temperature indicator is available in a digital format or an on screen scale displayed in 100° increments.

Full-Color Palatte

For hazmat applications, the optional full-color palette is particularly useful, it vividly displays temperature variations allowing easy hazard identification.

Two-Channel Transmitter

The Eagle Imager 160 is available with a two-channel transmitter that permits wireless transmission of images to a remote receiver station and monitor.

Twist-Change Battery and Quick, Simple Hand-Off

The battery inside the Eagle Imager 160 features one-way on, large-scale threading for fast battery replacement. The camera's robust 9-volt nickel-metal hydride battery offers a four-hour long run time. Designed for ease of use with gloved hands, the Eagle Imager 160 may be handed off from one firefighter to another by grasping its handle, side straps or battery compartment.

EAGLE IMAGER 160 TRUCK CHARGING SYSTEM (TCS)

The Eagle Imager 160 Truck Charging System is designed to provide secure, firefighter-ready accessibility to your thermal imaging camera. Ready-for-action access is enhanced with full charging capabilities for the camera's on-board and spare batteries.

Designed specifically for Scott's Eagle imager 160 thermal imaging camera, the Truck Charging System permits user-selectable vertical or horizontal mounting inside a fire apparatus. The unit may also be easily wall-mounted in the station or service room. The TCS is available with either 12-volt DC or 110-volt AC power supply adapters.

ORDERING INFORMATION

EAGLE IMAGER® 160 THERMAL IMAGING CAMERA

Eagle Imager 160 (Camera only with attached battery)

Part Number	Radiometry† Bar Scale °F	Bar Scale °C	Digital °F	Digital °C	Transmitter	Color Pallete
200155-103	X					
200155-104	X				X	
200155-107			X			
200155-109	X			X		
200155-117			X	X	X	
200155-118	X				X	X
200155-119		X			X	X

†Radiometry temperature readouts available in either Fahrenheit or Celsius.

Eagle 160 Carrying Case & Accessories

Part Number	Description
200199-01	Case & Accessories (including neck/shoulder strap, charging cradle, AC adapter, and DC adapter)
200158-01	Spare NiMH battery
40014453	Neck/shoulder strap
31000283	Charging cradle
31000366	AC adapter
31000488	DC adapter

Eagle Imager 160 (Camera with case & accessories)

Part Number	Bar Scale °F	Bar Scale °C	Digital °F	Digital °C	Transmitter	Color Pallete
200155-03	X					
200155-04	X				X	
200155-07			X			
200155-08			X		X	
200155-09				X		
200155-16				X	X	X
200155-17			X		X	X
200155-18	X				X	X
200155-19		X			X	X

†Radiometry temperature readouts available in either Fahrenheit (F) or Celsius (C) degrees. Color cameras feature both full-color and gray scale displays. Other options, accessories, or spare parts are available.

Eagle 160 Truck Charging System (TCS) & Accessories

Part Number	Description
200235-01	TCS assembly with 12 volt DC connector (Includes mounting kit for TCS, camera neck/shoulder strap, and spare battery)
200235-02	TCS assembly with 110 volt DC connector (Includes mounting kit for TCS, camera neck/shoulder strap, and spare battery)
40015093	Mounting kit for TCS
40014453	Camera neck/shoulder strap
200158-01	Spare battery

EAGLE X™ THERMAL IMAGING CAMERA

Eagle X Thermal Imaging Camera (Yellow Housing)

Part Number	Camera (No Options)	Radiometry† Bar Scale °F	Digital °F	Bar Scale °C	Digital °C
200353-01	X				
200353-03			X		
200353-05					X
Eagle X Thermal Imaging Camera (Black Housing)					
200353-06	X				
200353-08			X		
200353-10					X

†Radiometry temperature readouts available in either Fahrenheit or Celsius.

Eagle X Carrying Case & Accessories

Part Number	Description
200241-01	Carrying case assembly (includes spare NiMH battery, charger cradle and AC adapter, DC adapter, AA battery loader, and neck/shoulder strap
31000565	Spare NiMH battery
200243-01	Charger cradle & AC adapter
41014635	DC adapter
200213-01	AA battery loader
40014453	Neck/shoulder strap
31000687	Carrying case only
31000366	AC adapter

Eagle X Truck Charging System & Accessories

Part Number	Description
200249-01	TCS assembly with DC adapter (includes spare NiMH battery, AA battery loader, and neck/shoulder strap)
200249-02	TCS assembly with AC adapter (includes spare NiMH battery, AA battery loader, and neck/shoulder strap)
31000565	Spare NiMH battery
200213-01	AA battery loader
40014453	Neck/shoulder strap

MICRO IR™

Title Sponsor

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